

## CLAIMS

1. Electro-hydraulic unit (10) in particular for an anti-locking device for wheels of an automotive vehicle,  
5 said electro-hydraulic unit being of the type comprising two separate parts:

- an electronic control (13) within which is located particularly an electronic card (14), winding (17) as well as an electric motor (15) provided with a rotor and a stator, said motor being adapted to  
10 drive a pump, and

- a hydraulic unit (11), comprising the pump and a plurality of valves (12), the whole electronically directed by the control (13),

15 said electro-hydraulic unit comprising moreover:

- a ferromagnetic circuit (22) common at least partially to the stator and to the winding (17),

said unit being characterized in that the ferrocircuit (22) is independent of the hydraulic unit and has at its  
20 periphery an annular flange (23) housing the winding (17), said annular flange ensuring simultaneously a function of mechanical holding of the winding (17) and a function of magnetic conduction for these winding.

25 2. Electro-hydraulic unit according to claim 1, characterized in that the ferrocircuit (22) is made in part from a metallic plate forming a stator and having an annular flange (23) at its external periphery.

30 3. Electro-hydraulic unit according to claim 1 or 2, characterized in that it comprises a motor (15) with an external collector (18), permitting decreasing the length

of the electrical connections (16) between the brush carrier (25) and the electronic card (14).

4. Electro-hydraulic unit according to claim 3  
5 characterized in that the electronic card (14) or the housing supports the brush carriers (25).

5. Electro-hydraulic unit according to any one of the preceding claims, characterized in that it is the  
10 ferro-circuit (22) which ensures the sealing between the hydraulic unit (11) and the control (13) and permits confining possible leakages of lubricant.